Ex Wireless universal transmitter
Ex RF 96 ST

Features/Options:

- Ex zone 1 and 21
- sWave® wireless technology (SW868/SW915)
- Power supply by ex-proof Lithium battery (exchange inside Ex areas possible)
- Thermoplastic enclosure
- Mounting details to EN 50047
- Plug-in connector M12
- No wiring and pipe laying required
- Easy programming of receiver
- Output signal can be individually configurated at the receiver
- Available with "LBT - Listen before Talk" Software

Notes
- The Ex RF 96 ST may be used in combination with an Ex wireless inductive sensor Ex RF IS

Technical data

Applied standards	EN 60947-5-1, EN 61000-6-2, EN 61000-6-3, EN 301 489-1, EN 301 489-3, EN 300 220-1, EN 300 220-2, EN 60079-0, EN 60079-11
Enclosure	thermoplastic, glass-fibre reinforced, impact resistant, self-extinguishing UL 94 V-0
Tightening torque	M4 enclosure mounting screw: max 1.2 Nm M2.5 cover screws: approx. 0.45 Nm
Degree of protection	IP 20 to IEC/EN 60079-11, IP 67 to IEC/EN 60529
Voltage supply	Ex approved and certified batteries, manufacturer steute, Ex RF Bat 3,6 V/2,1 Ah, mat. no. 1381655, BVS 18 ATEX E 035 X, IECEx BVS 18.0056X
System	$Li/SOCl_2$
Nominal voltage	3.6 V
Nominal capacity	2.1 Ah with integrated protective circuit
Battery life	depending on the switching frequency 1 s approx. 500 days, 10 s approx. 1000 days, 100 s approx. 1100 days
Connection	Plug-in connector M12 x 1, 4-pole
Ambient temperature	–20 °C … +60 °C
Switching frequency	max. 5 Hz
Standby current	215 µA (incl. sensor)
Wireless range	max. 450 m outside, max. 40 m inside
Actuating time	min. 80 ms
Note	Status signal adjustable via jumper, no, 10 s, 100 s, 1000 s, 10000 s Delivery state: jumper position without status signal Transmission of battery voltage and switching condition

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Technical data

Ex marking	II 2G Ex ib IIC T4 Gb, II 2D Ex ib IIIC T135 °C Db IECEx Ex ib IIC T4 Gb, Ex ib IIIC T135 °C Db
Approvals	BVS 19 ATEX E 009 X IECEx BVS 19.0040X